

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) A scroll fluid machine comprising:
at least a one first scroll ~~(21)~~ having a spiral wrap ~~(24)~~ formed on an end plate ~~(23)~~;
~~and a~~ at least one second scroll ~~(22)~~ having a spiral wrap ~~(24)~~ formed on an end plate ~~(23)~~, wherein; and
an adjustment member ~~(4a)~~ is provided to adjust the an amount of a space between the wrap ~~(24)~~ of one of the first and second scrolls ~~(21 or 22)~~ and the end plate ~~(23)~~ of the other one of the first and second scrolls, scroll ~~(22 or 21)~~ and
the adjustment member ~~(4a)~~ ~~includes~~ including a deformable element ~~(40)~~ which changes its shape according to external input.
2. (Currently Amended) The scroll fluid machine of claim 1, wherein
the deformable element ~~(40)~~ is formed at the a tip of at least one of the wraps ~~wrap~~ ~~(24)~~ and changes its shape along the a height of the wrap ~~(24)~~ to adjust the amount of the space.
3. (Currently Amended) The scroll fluid machine of claim 1, wherein
the deformable element ~~(40)~~ is formed at the a tip of at least one of the wraps ~~wrap~~ ~~(24)~~ to extend over the a spiral of the wrap ~~(24)~~, and
the deformable element ~~(40)~~ changes its length along the spiral of the wrap ~~(24)~~ to adjust the amount of the space.

4. (Currently Amended) The scroll fluid machine of claim 3, wherein two or more deformable elements ~~(40)~~ are formed along the spiral of the wrap ~~(24)~~.
5. (Currently Amended) The scroll fluid machine of claim 1, wherein the deformable element ~~(40)~~ adjusts the amount of the space to vary a capacity.
6. (Currently Amended) The scroll fluid machine of claim 1, wherein the deformable element ~~(40)~~ adjusts the amount of the space to vary an angle of rotation at which fluid discharge begins.
7. (Currently Amended) The scroll fluid machine of claim 1, wherein a working chamber ~~(2a)~~ is defined between the first scroll ~~(21)~~ and the second scroll ~~(22)~~ and a discharge port ~~(2b)~~ for discharging fluid from the working chamber ~~(2a)~~ is provided with a discharge valve, and
the wrap ~~(24)~~ is configured such that the a capacity of the working chamber ~~(2a)~~ becomes substantially zero after the ~~discharge~~ discharging fluid is terminated.
8. (Currently Amended) The scroll fluid machine of claim 1, wherein the deformable element ~~(40)~~ is provided at the a tip of at least one of the wraps ~~wrap~~ ~~(24)~~ and also functions as a seal between the end plate ~~(23)~~ and the wrap ~~(24)~~.
9. (Currently Amended) The scroll fluid machine of claim 1, wherein

the deformable element ~~(40)~~ is disposed in a recess ~~(25)~~ formed at ~~the~~ a tip of at least one of the wraps, wrap ~~(24)~~ and

the recess ~~(25)~~ is formed such that a wall of the recess ~~(25)~~ including an inner circumference surface of the wrap ~~(24)~~ has a thickness different from that of a wall of the recess ~~(25)~~ including an outer circumference surface of the wrap ~~(24)~~.

10. (Currently Amended) The scroll fluid machine of claim 1, wherein the first scroll ~~(21)~~ is a stationary scroll and the second scroll ~~(22)~~ is a moving scroll, and only the first scroll ~~(21)~~ is provided with the deformable element ~~(40)~~.

11. (Currently Amended) The scroll fluid machine of claim 1, wherein the deformable element ~~(40)~~ is made of a polymer actuator.